

Fig. 1

29 Kvolt

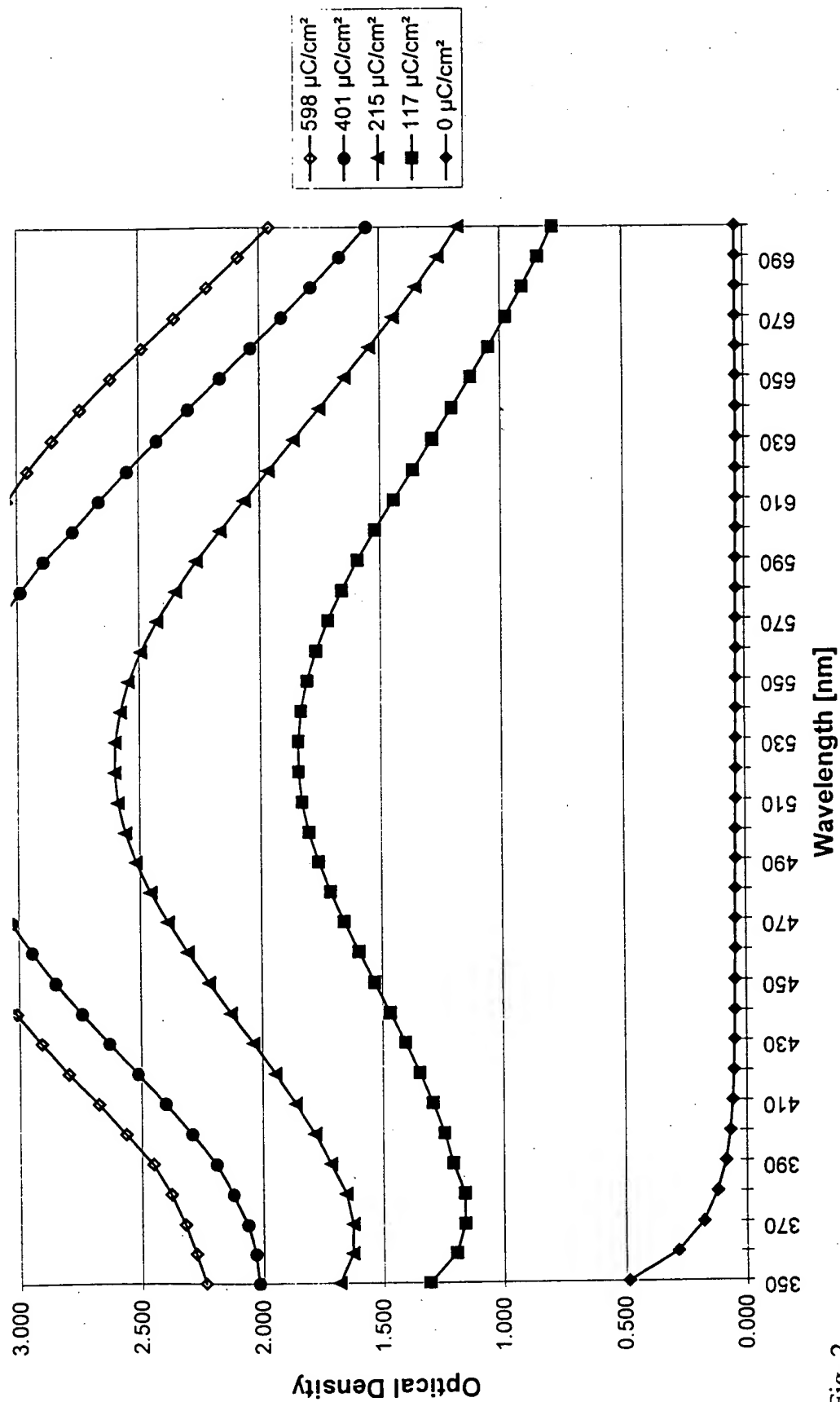


Fig. 2

25 Kvolt

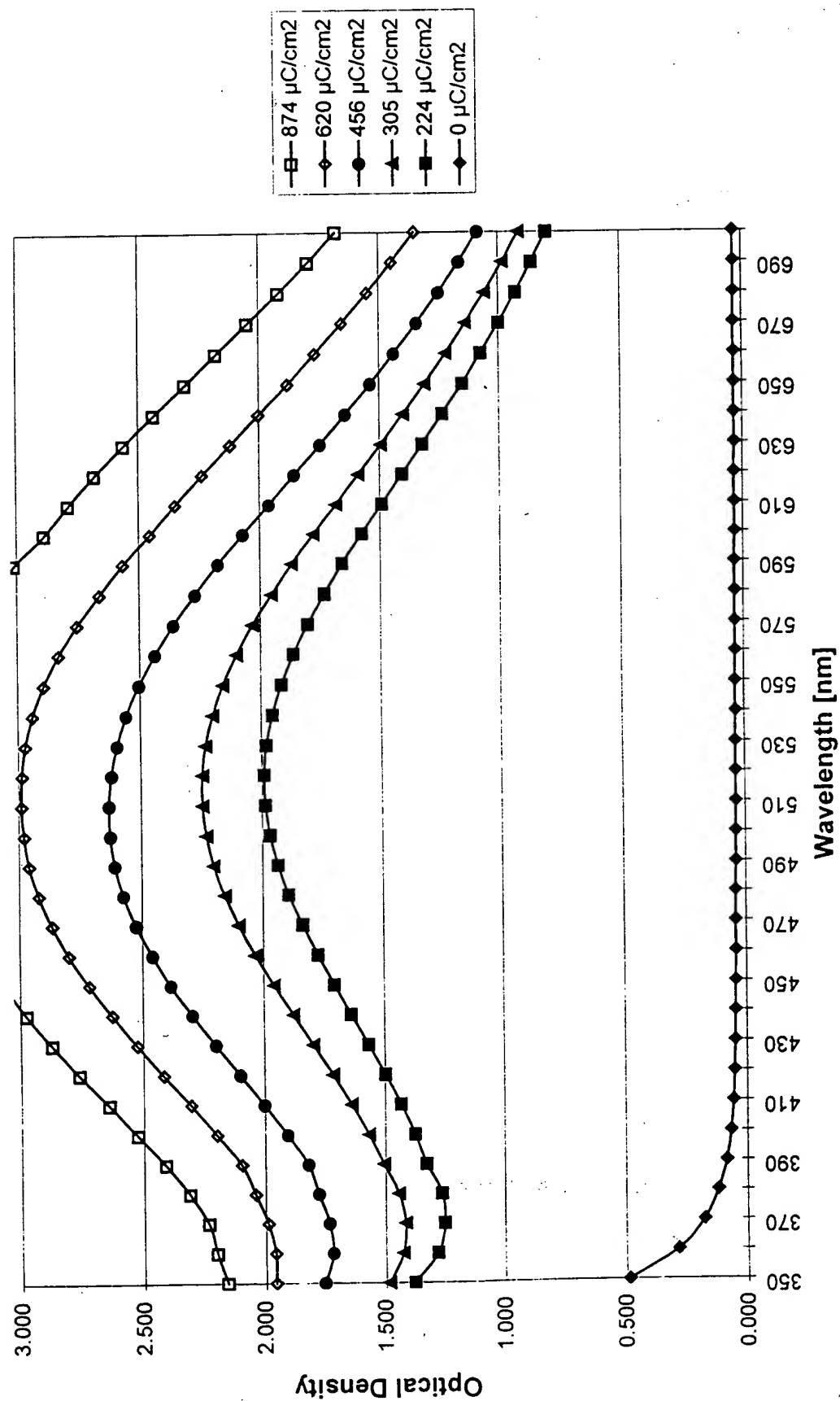


Fig. 3

20 Kvolt

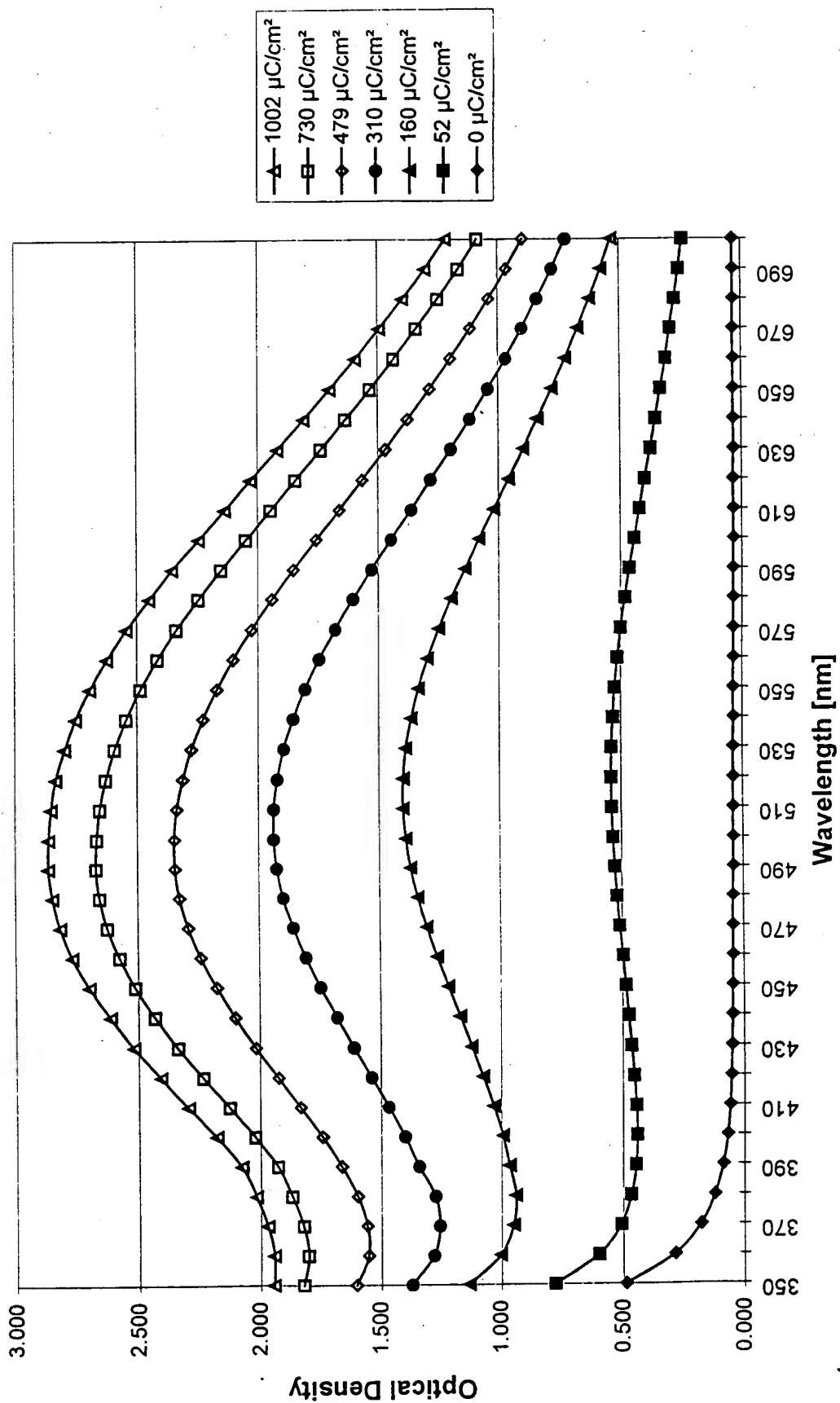


Fig. 4

15 Kvolt

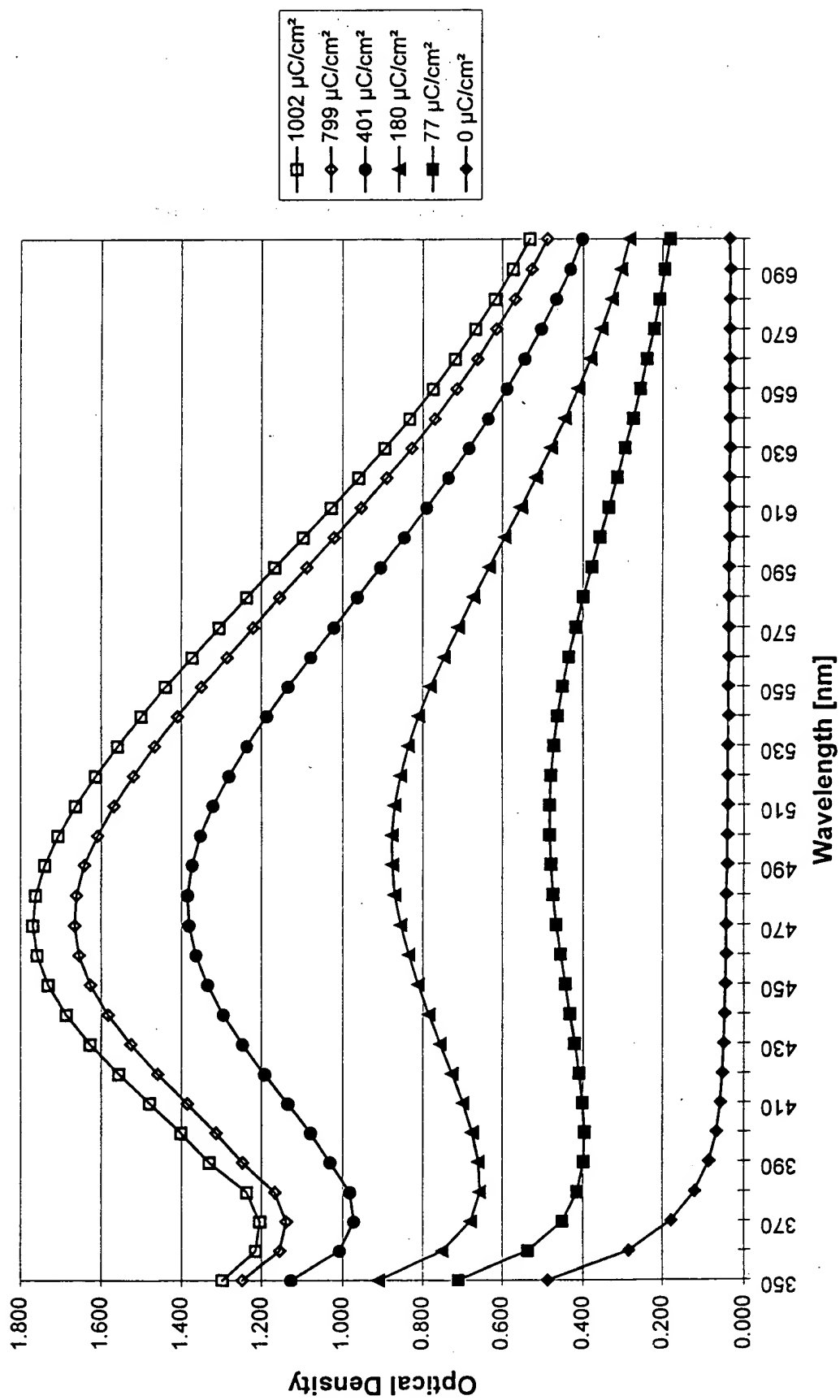


Fig. 5

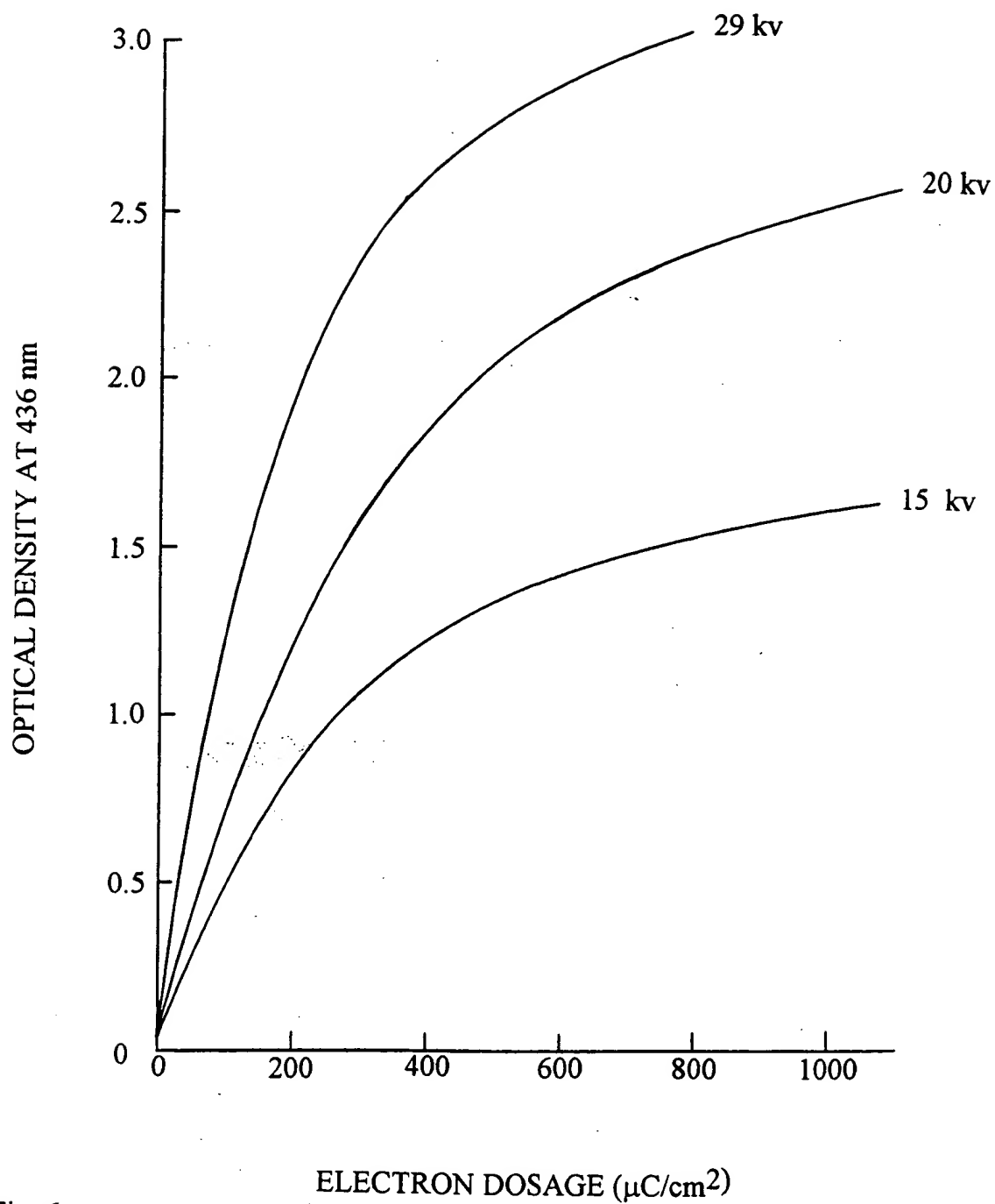


Fig. 6

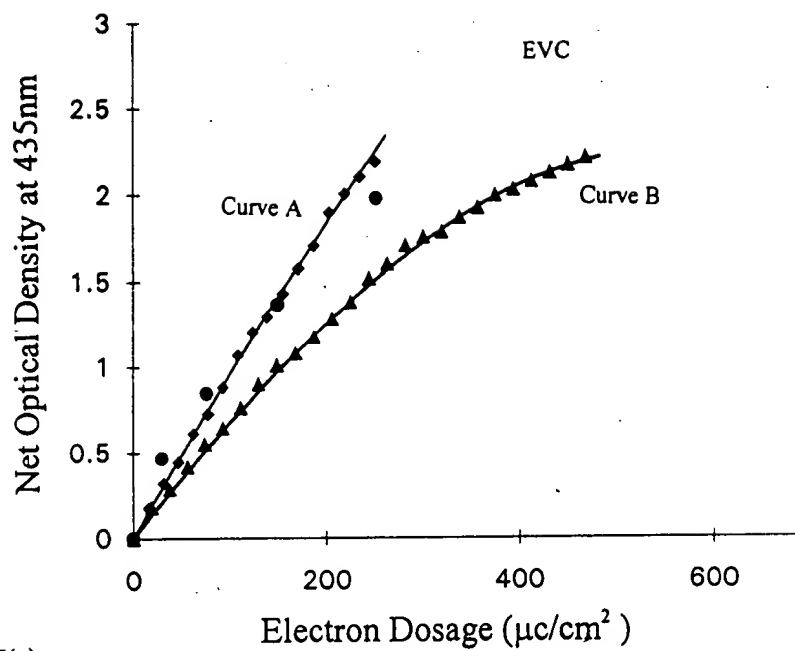


Fig. 7(a)

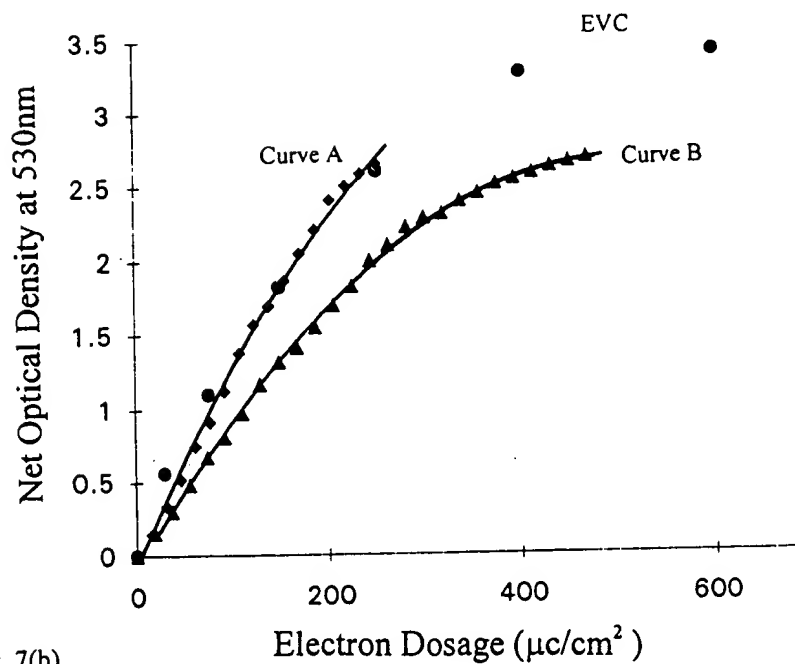


Fig. 7(b)

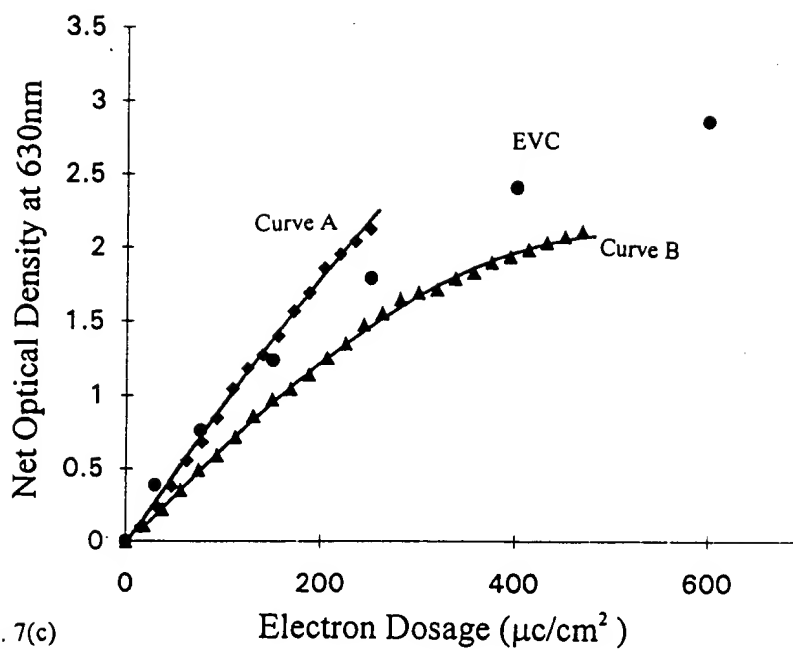


Fig. 7(c)

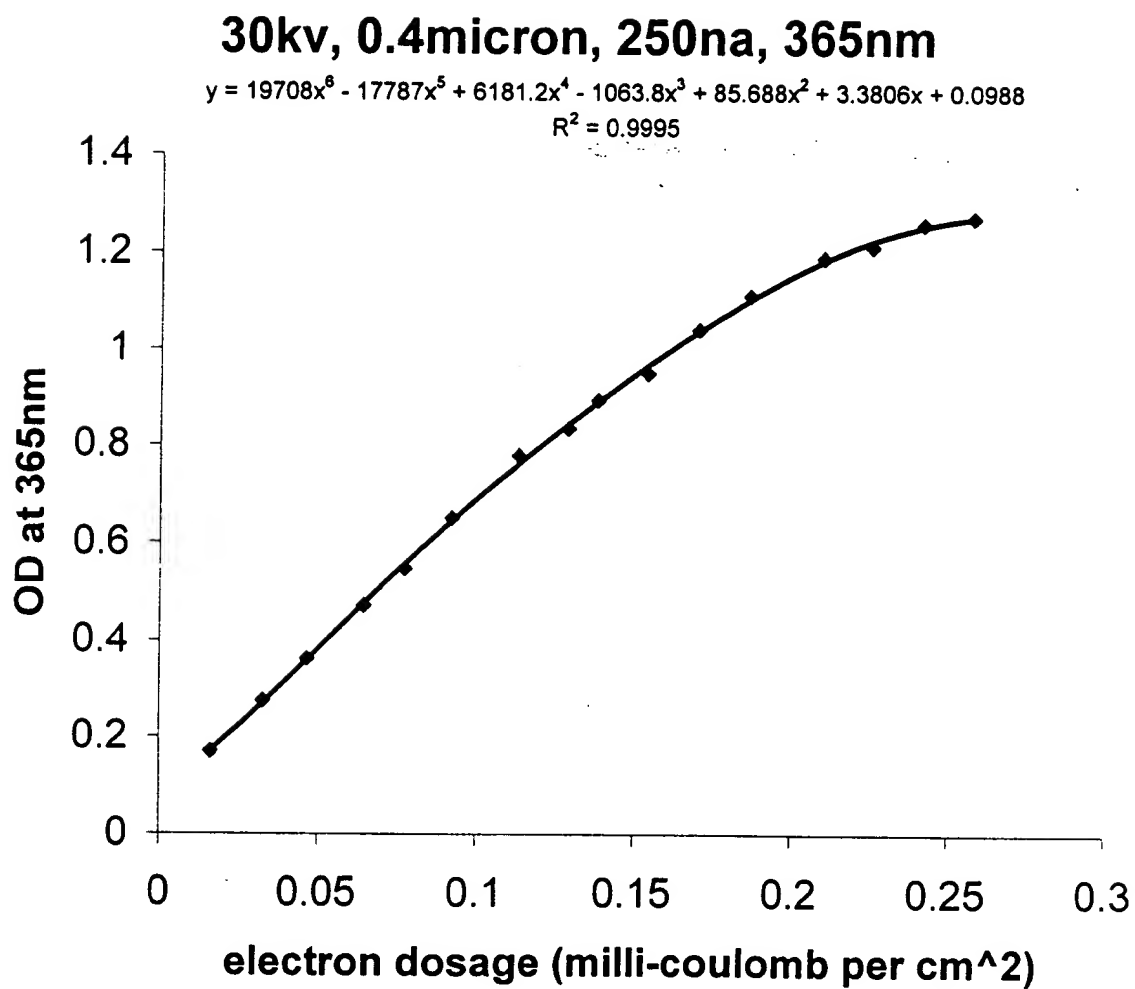


Fig. 7 (d)

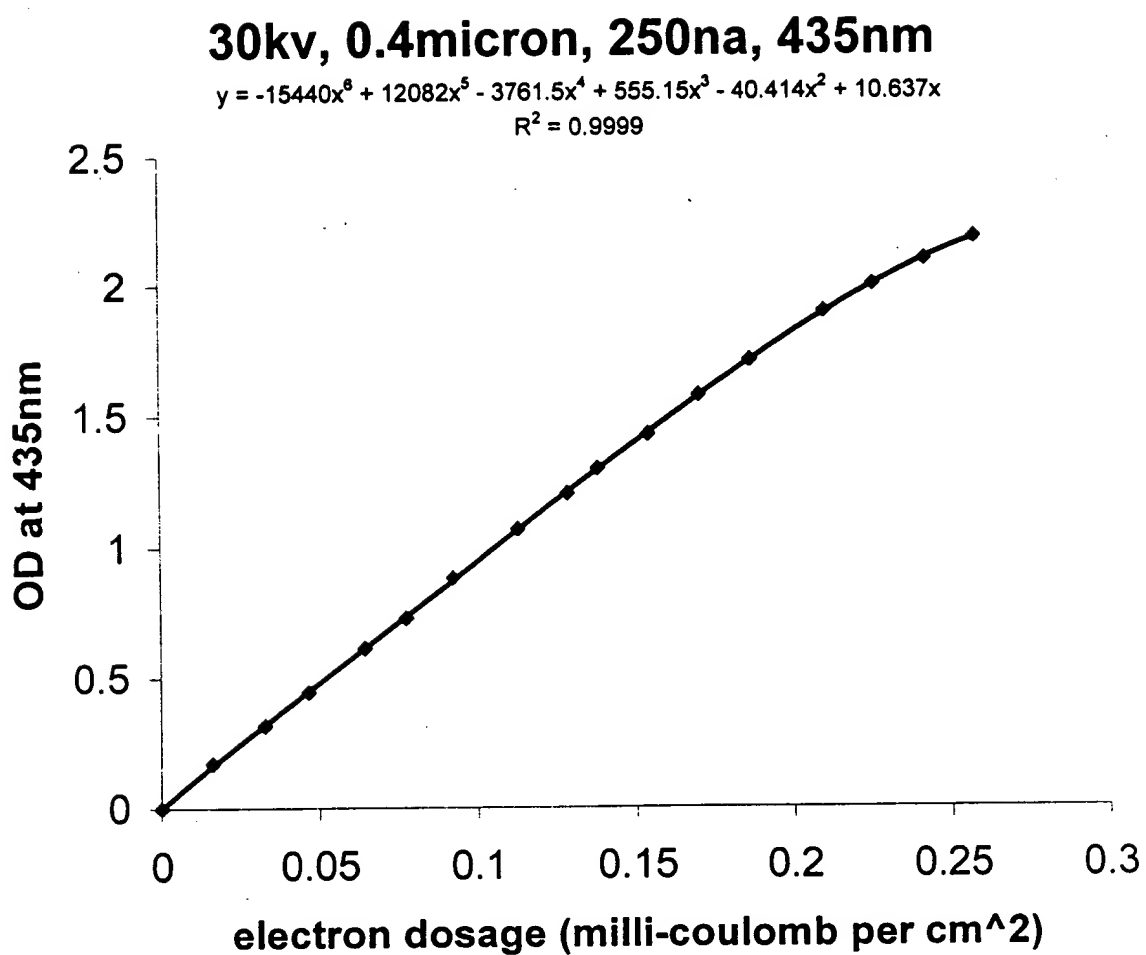


Fig. 7 (e)

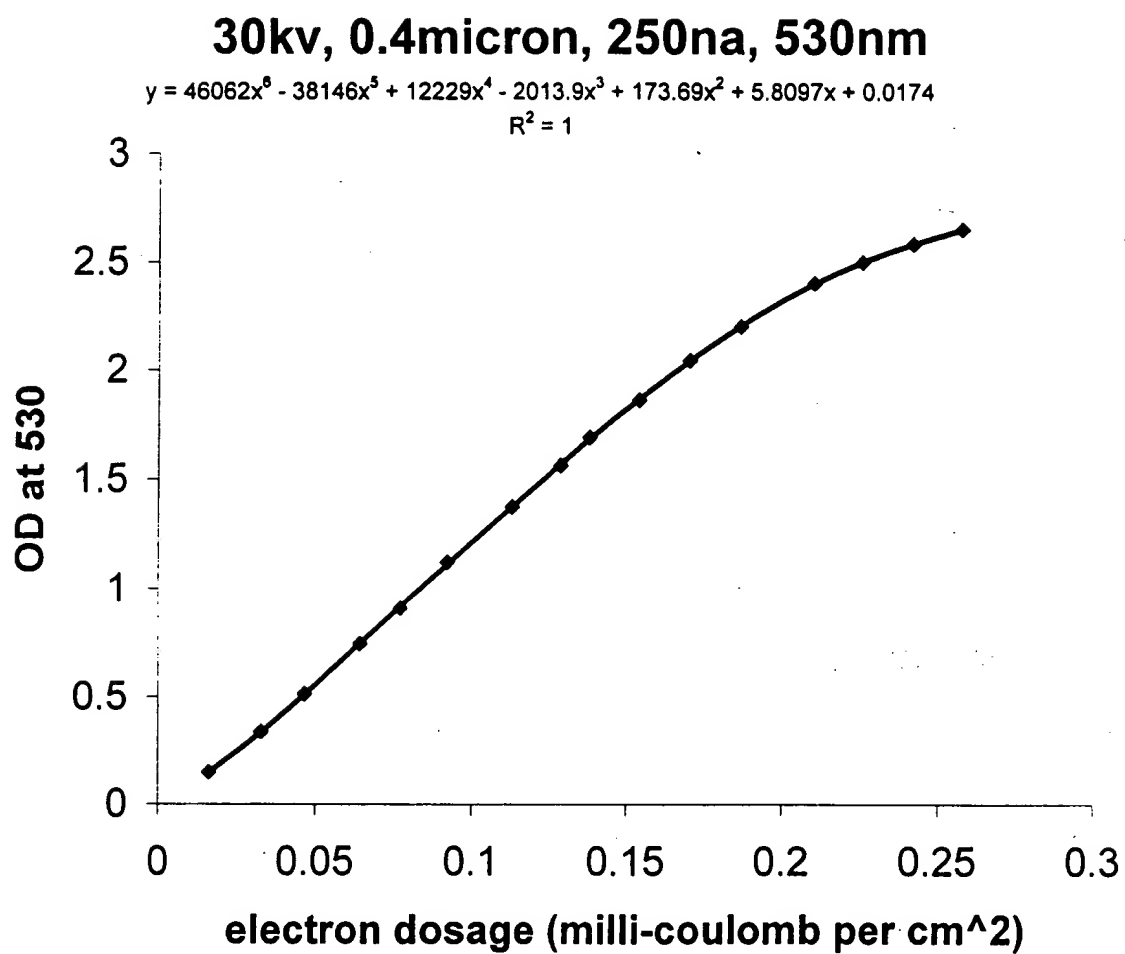


Fig. 7 (f)

FOR "SECRET"

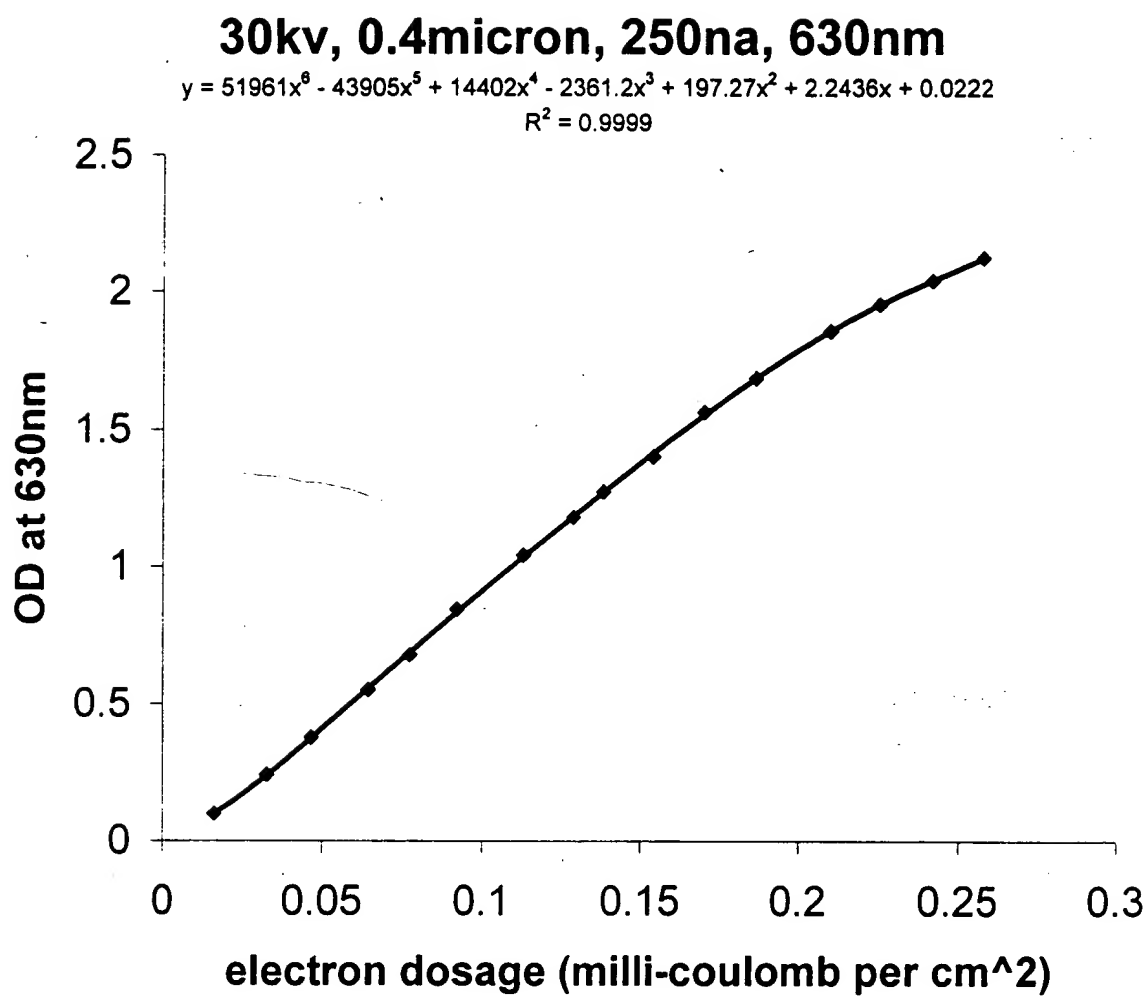


Fig. 7 (g)

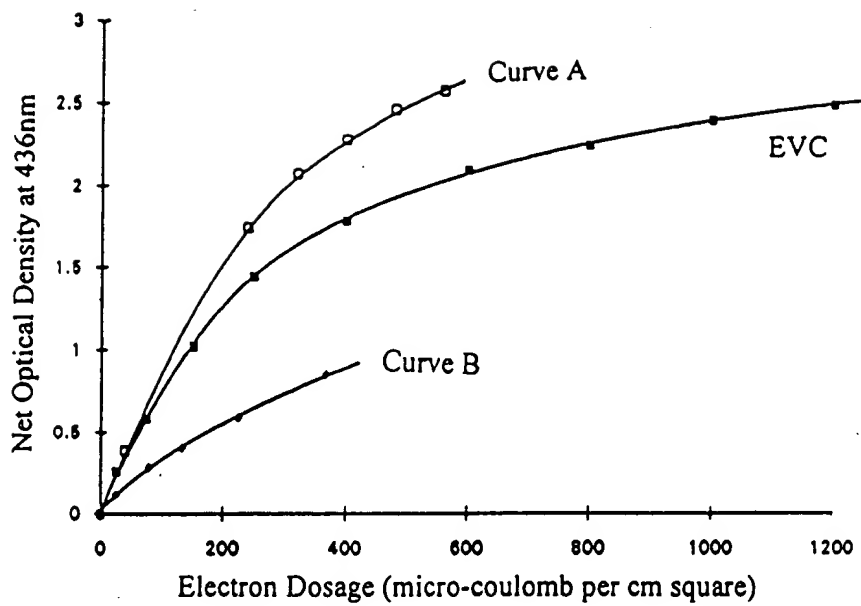


Fig. 8

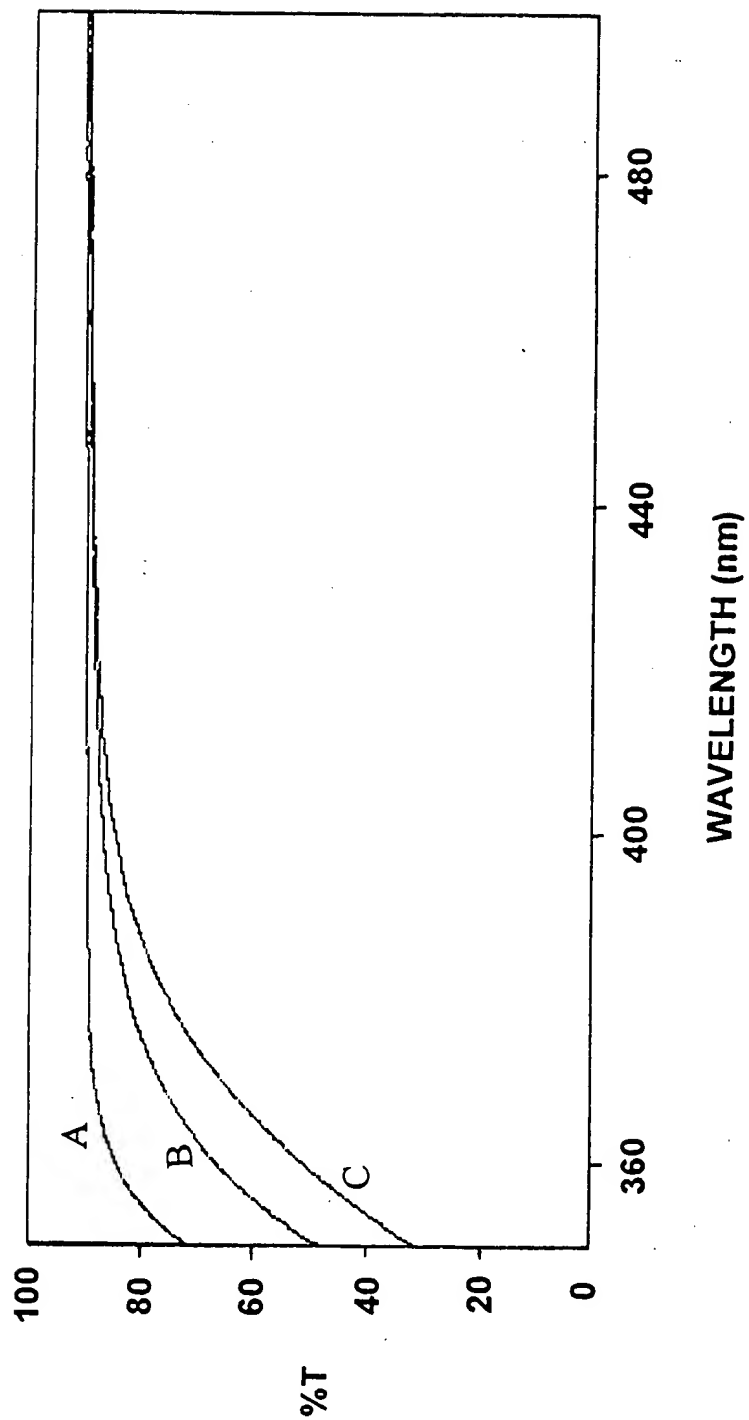


Fig. 9

09934-213-082101

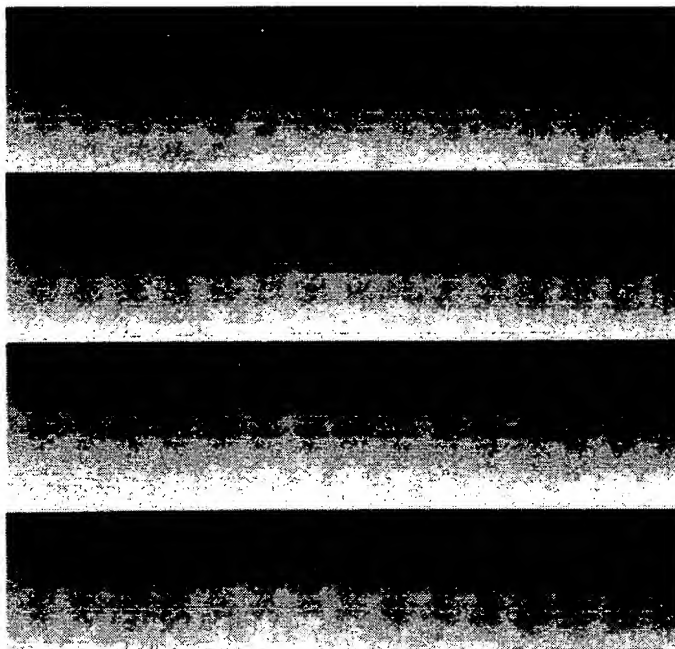


Fig. 10

TOP 230" BT 24E 660

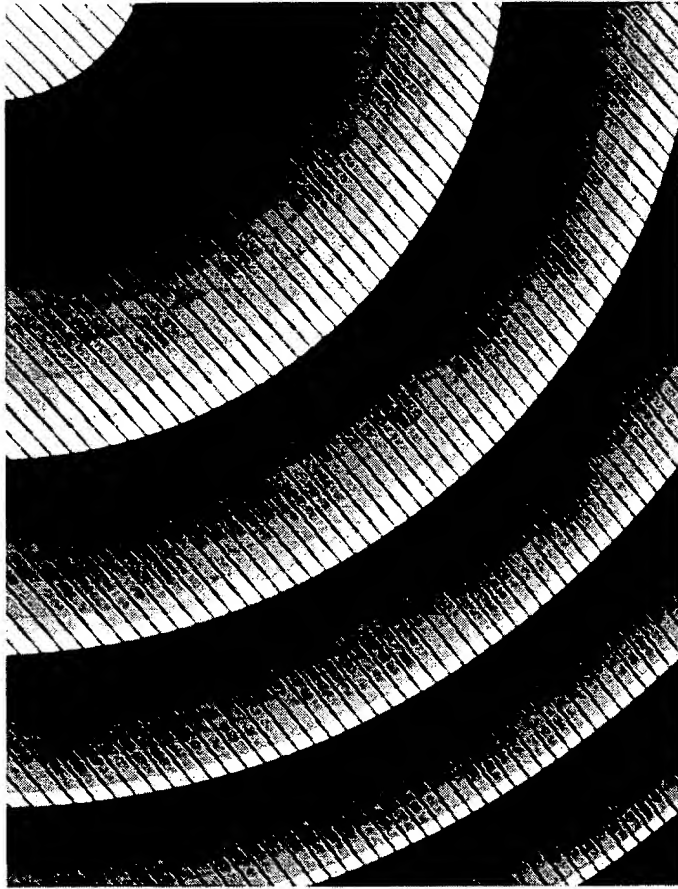


Fig. 11

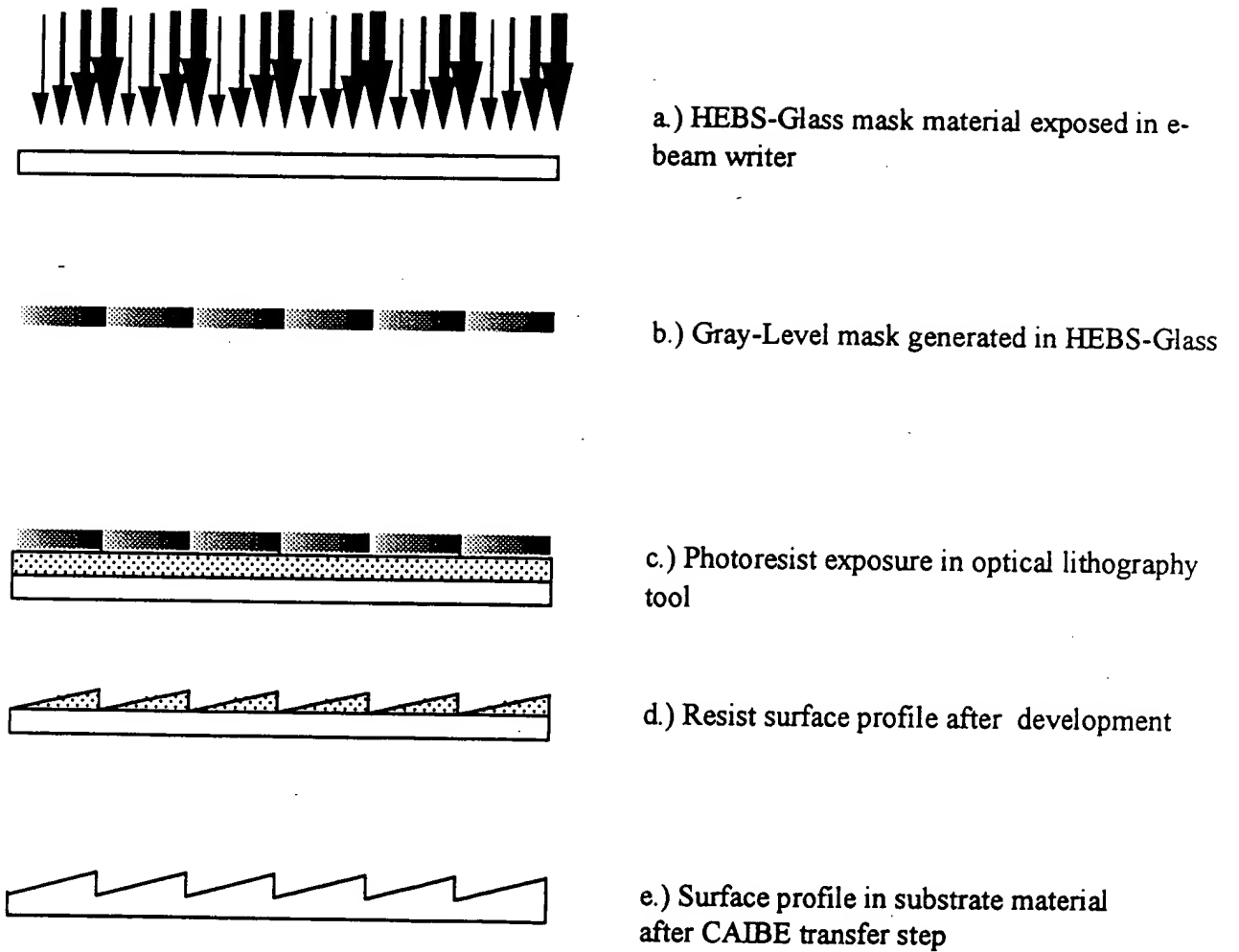
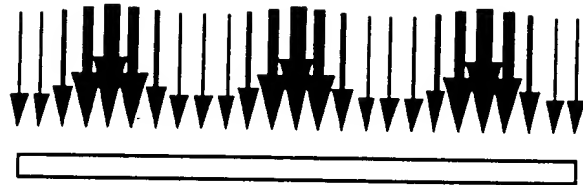


Fig. 12



HEBS-Glass material exposed in e-beam writer



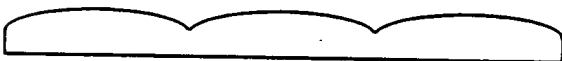
Gray-Level mask generated in HEBS-Glass



Photoresist exposure in mask-aligner



Resist surface profile after development



Lens profile after etching transfer step

Fig. 13

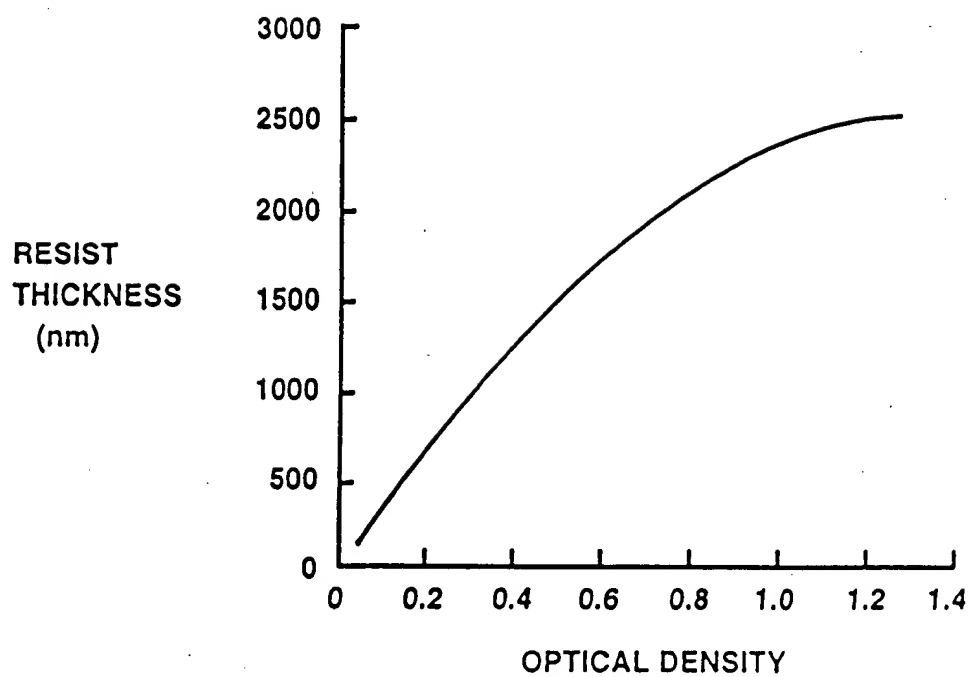


Fig. 14

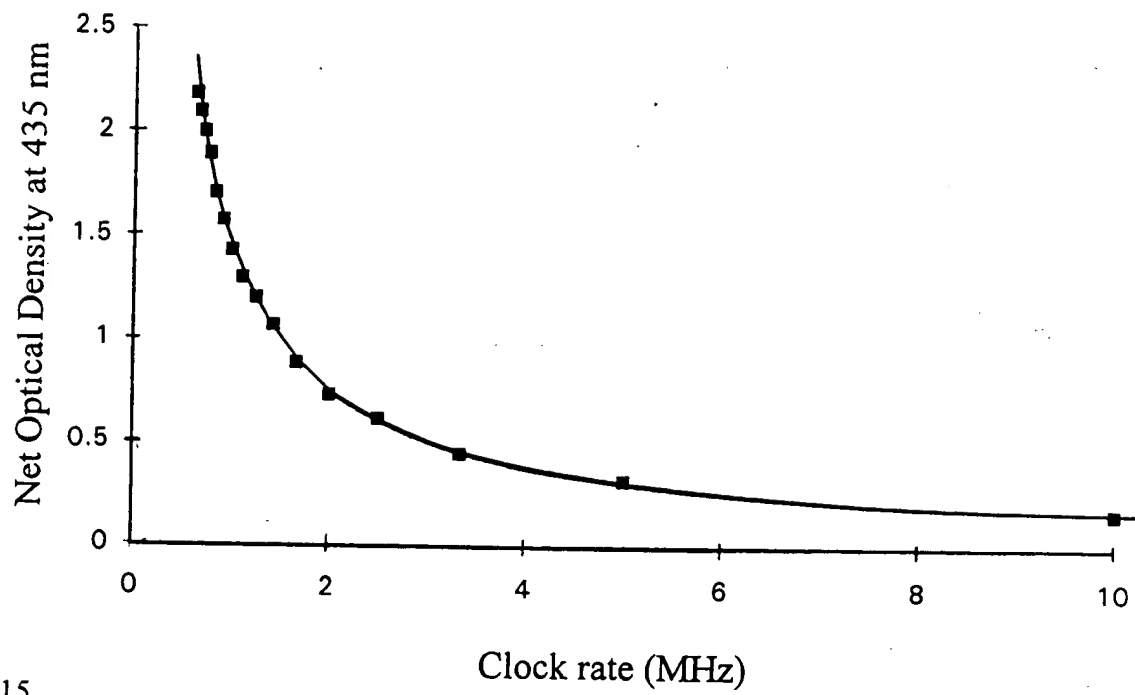


Fig. 15

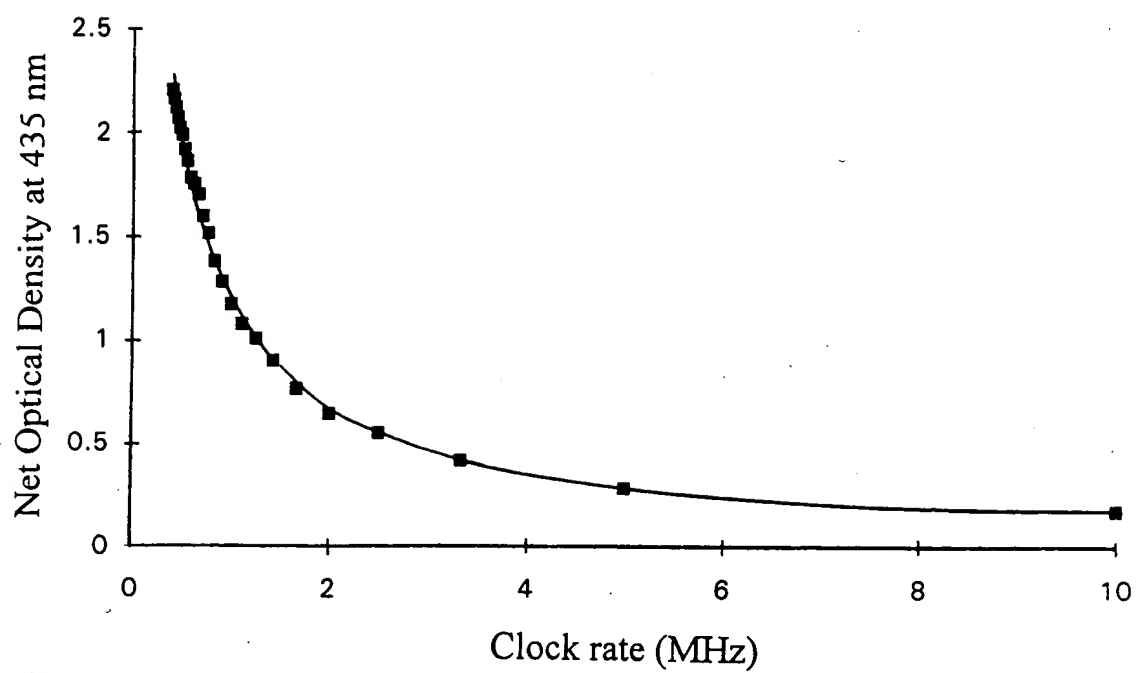


Fig. 16

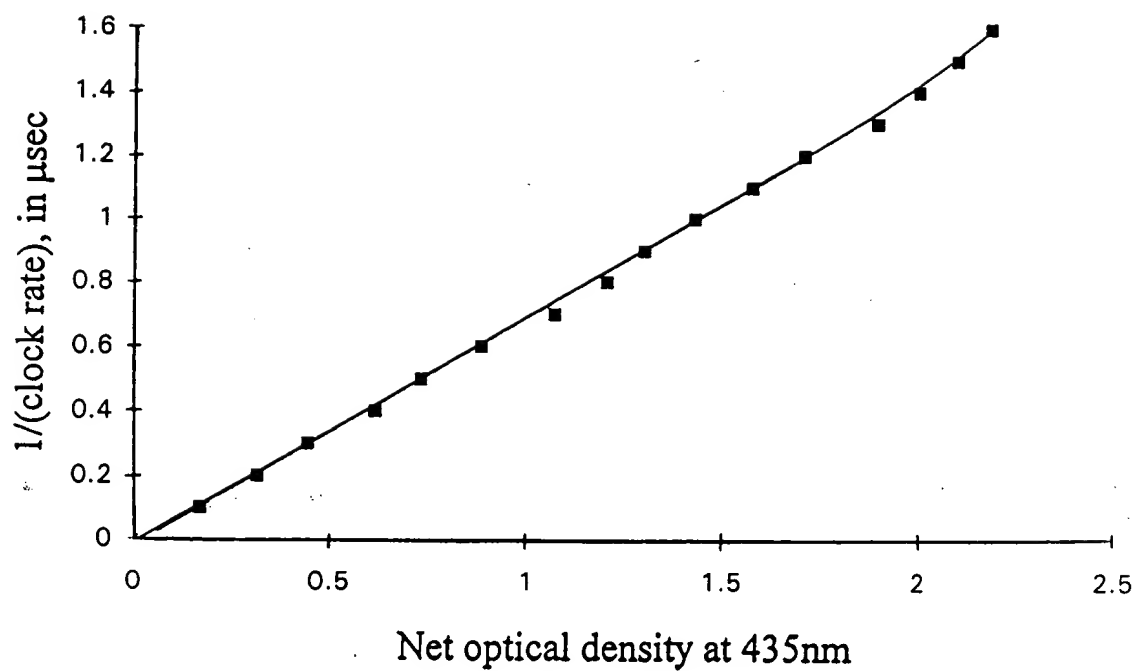


Fig. 17

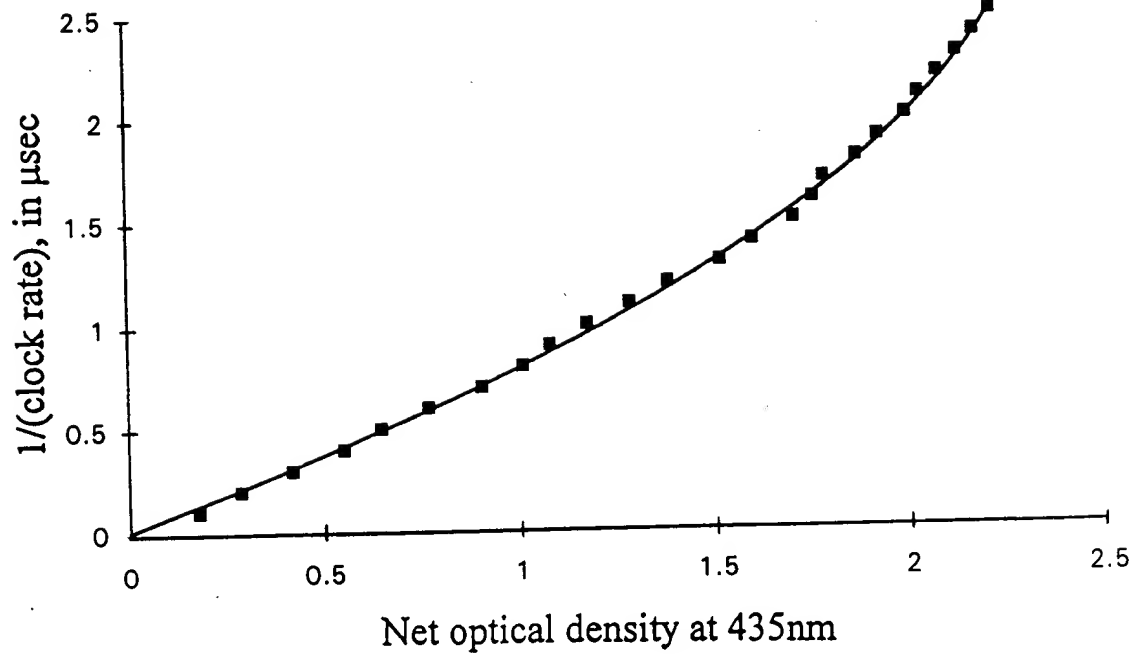


Fig. 18

Figure 1 is a line graph showing the optical density spectra of three types of polyimide films. The y-axis is labeled 'OPTICAL DENSITY' and ranges from 0 to 3. The x-axis is labeled 'WAVELENGTH (nm)' and ranges from 400 to 1000. Three curves are plotted: Type I (solid line), Type II (dashed line), and Type III (dotted line). Type I has a broad peak around 450 nm. Type II has a peak around 450 nm and a shoulder around 550 nm. Type III has a sharp peak around 450 nm and a shoulder around 550 nm.

Figure 1 is a line graph showing the optical density of three types of polyimides (Type I, Type II, and Type III) as a function of wavelength in nanometers (nm). The x-axis represents wavelength from 400 nm to 1000 nm, and the y-axis represents optical density from 0 to 3. Type I shows a broad absorption peak around 650 nm. Type II and Type III show a sharp increase in optical density as the wavelength decreases below 600 nm.

Wavelength (nm)	Type I Optical Density	Type II Optical Density	Type III Optical Density
400	1.4	2.3	2.3
500	1.5	2.5	2.5
600	1.9	3.0	3.0
650	2.1	3.0	3.0
700	2.0	3.0	3.0
800	1.7	3.0	3.0
900	1.3	3.0	3.0
1000	1.0	3.0	3.0

Fig.20

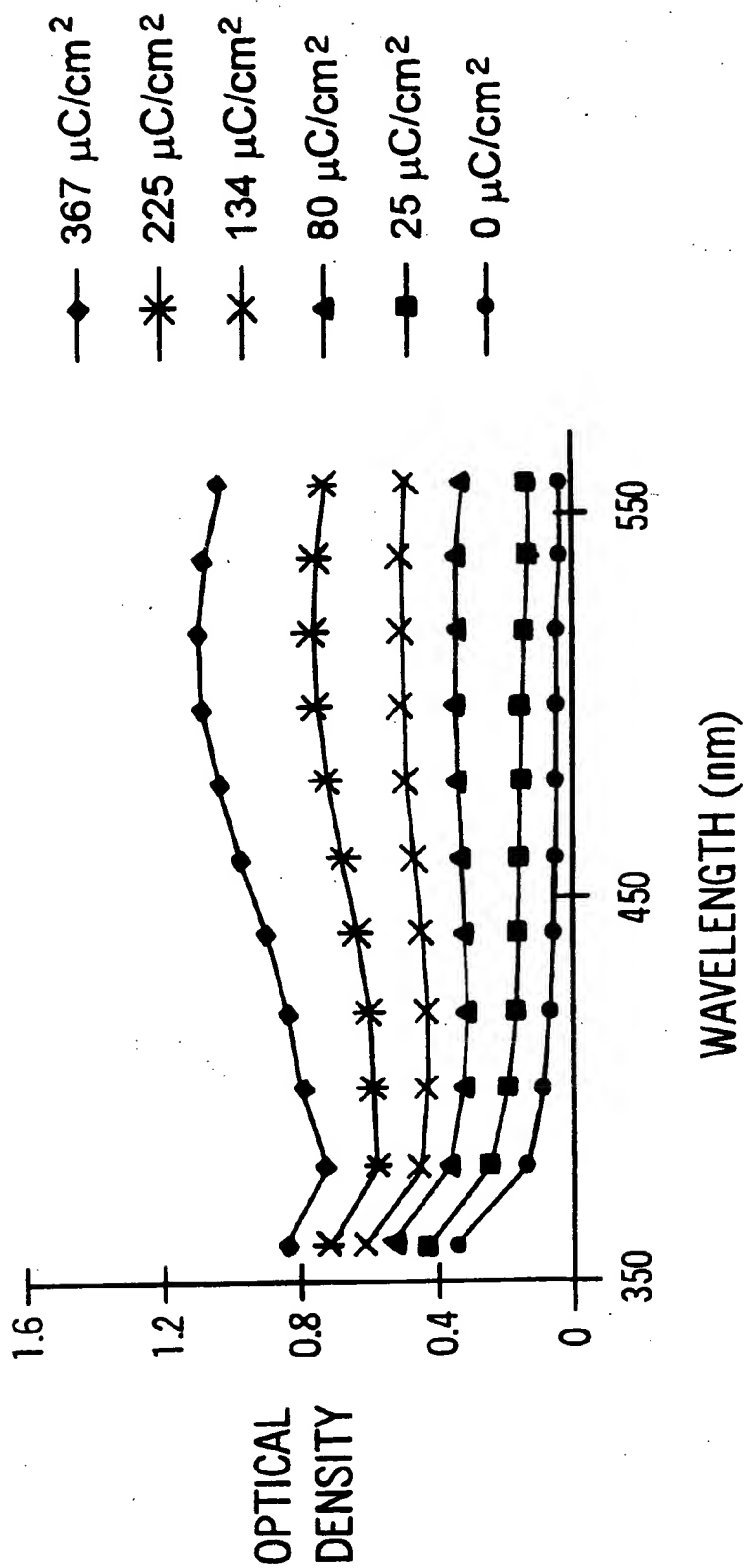


FIG. 21

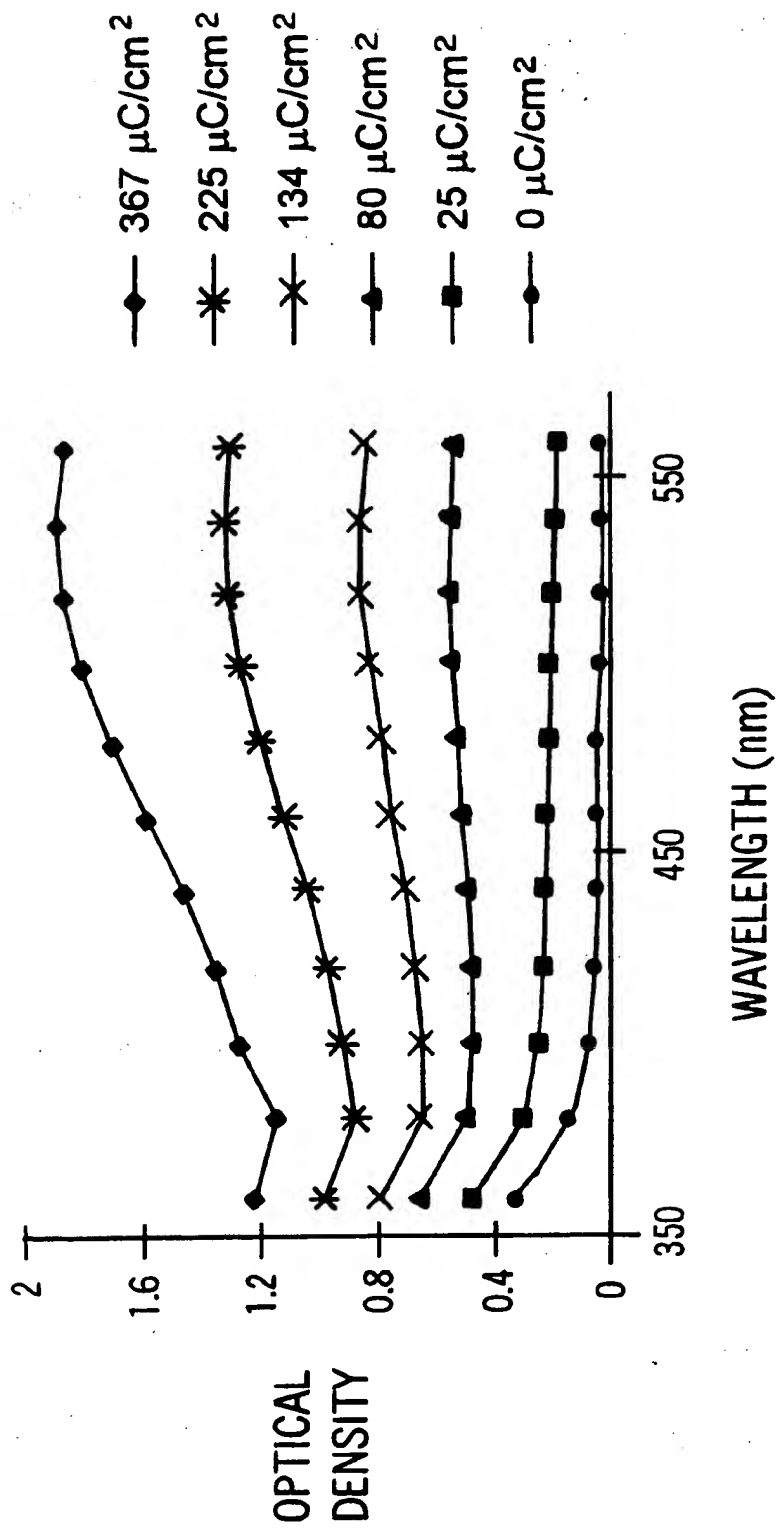


FIG. 22

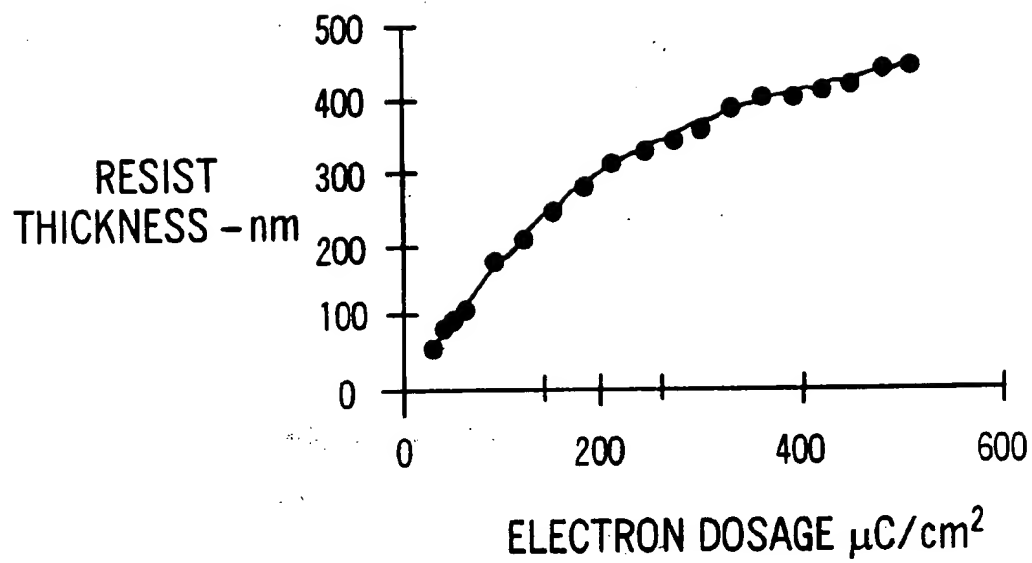


FIG. 23

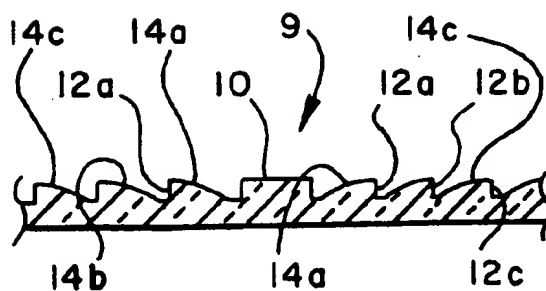


FIG. 24

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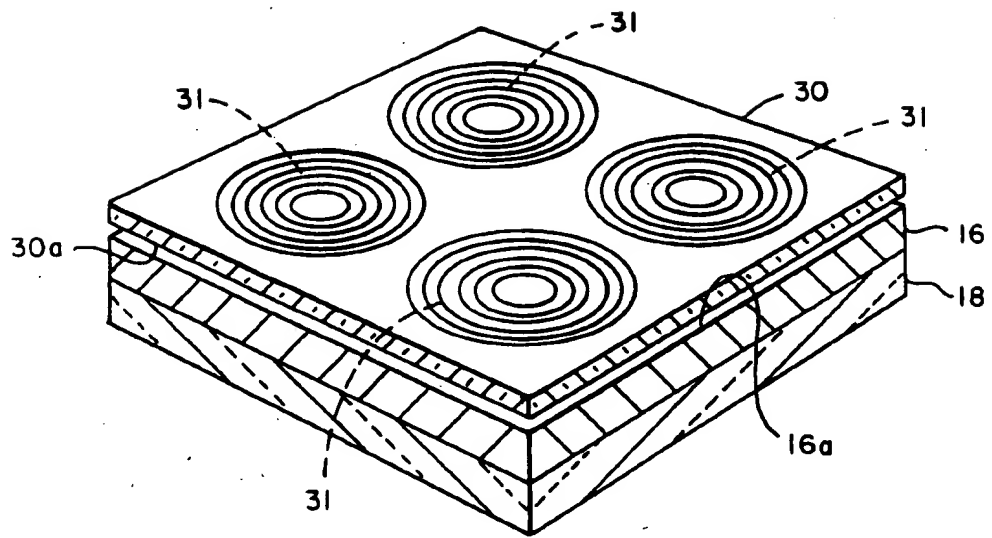


FIG. 25A

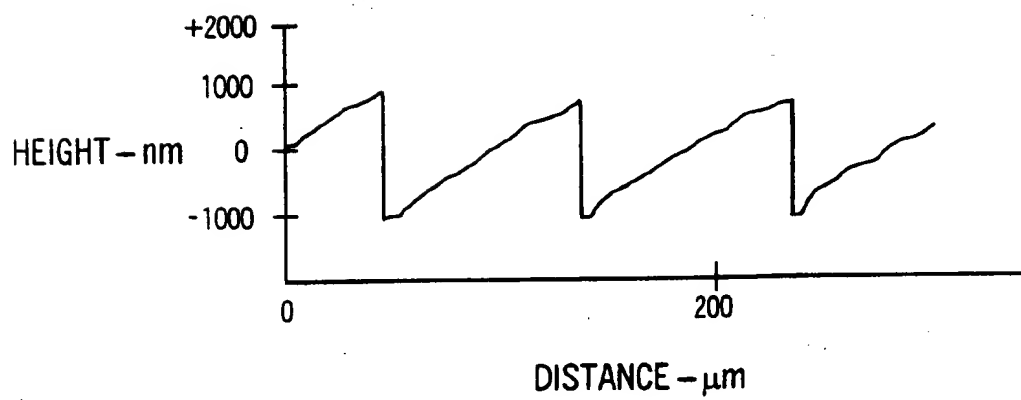


FIG. 25B

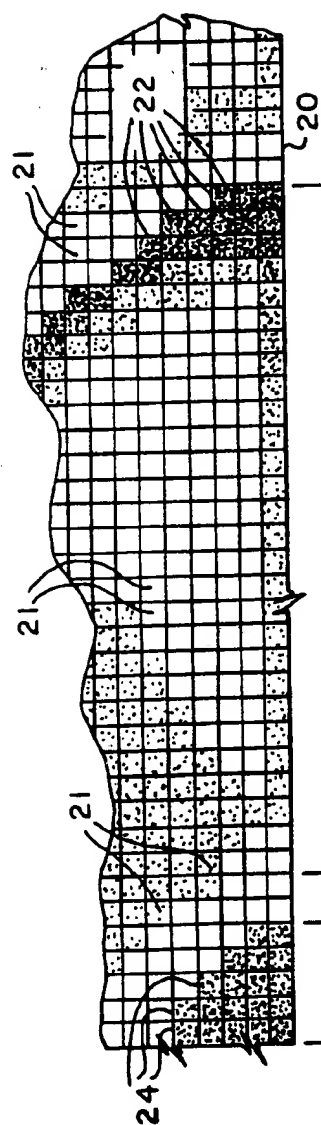


FIG. 26

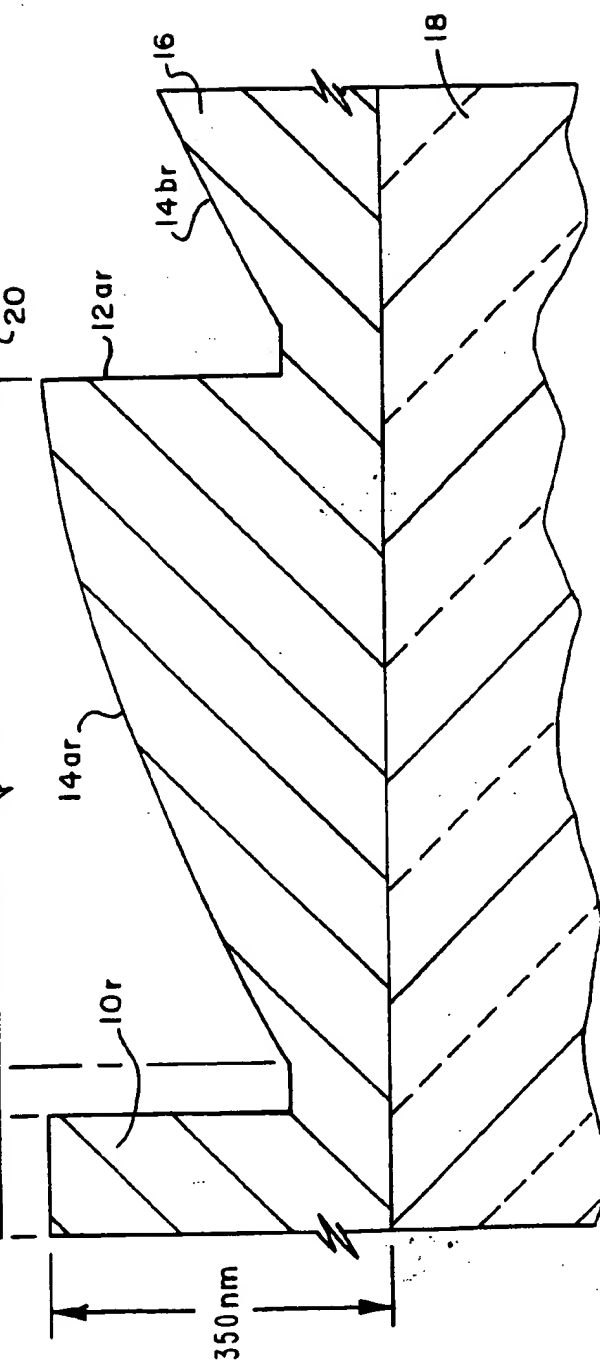


FIG. 27